

RAILWAY SECRETARIAT

Notification No. R. S. 1216, dated Mysore 21st December 1933.

Under Section 31 of the Mysore Railway Regulation, IV of 1894, the Government of His Highness the Maharaja of Mysore, sanction the adoption on the Railways over which the Mysore Government have jurisdiction of the further amendments to the General Rules for working Open Lines of Railways, published with their Notification No. R. S. 2010, dated 25th January 1930, printed as annexure to this order.

By Order,
A. A. KHAN,
Secretary for Railways,
Government of Mysore.

In the schedule appended to Part III of the said rules—

- (1) To the entries in column 3 against Serial No. 2, the following entry shall be added, namely:—
“Glass capsules in cardboard boxes packed in cases.”
- (2) In column 3 against Serial No. 3, for the figures “40” in clauses (4) and 5) of regulation (B) (ii), the figures “45” shall be substituted.
- (3) In column 6 against Serial Nos. 5, 6, 7 and 8, in the second condition—
(a) For the word “May”, the words “With the exception of Serial No. 5 these liquids may” shall be substituted.
(b) After the words “The cans or drums must be carried in the rear brake-van which should be well ventilated”, the following shall be inserted, namely—
“They must be placed as far as possible from other packages in the brake-van and from the rear tail light of the train”.
- (4) In Serial No. 11—
(a) In column 2, the entry “Pesterine” shall be omitted.
(b) In column 3, for the word “Pesterine”, the words “Insecticides (fluid), inflammable” shall be substituted.
- (5) In Serial No. 13—
(a) In column 2, for the words “Amyl Acette”, the words “Amyl Acetate” shall be substituted.
(b) In column 6, after the words “May be carried by brake-van of mixed or passenger train up to a limit of 12 gallons in one train if packed other than in carboys.”, the following shall be inserted, namely:—
“The casks, cases and drums must be carried in the rear brake-van which should be well ventilated.
They must be placed as far as possible from other packages in the brake-van and from the rear tail light of the train.”
- (6) To the entries in column 6 against Serial No. 14, the following entry shall be added, namely:—
“Total quantity of all the liquids mentioned against Serial Nos. 3, 4, 6, 7, 8 and 10 to 16 which may be carried by a brake-van of mixed or passenger train at any one time must not exceed 12 gallons.”
- (7) After Serial No. 16, the following shall be inserted, namely:—

1	2	3	4	5	6
16-A	CONCENTRATED ETHYL FLUID. (Solution of Lead Tetra Ethyl in Ethylene Dibromide.)	Must be packed in air-tight drums of very substantial construction fitted with double screwed bungs (with an air space between) and protected by two steel rails surrounding them.	<p>1. All drums must be painted a light colour and bear the following labels:—</p> <p>(a) CONCENTRATED ETHYL FLUID.</p> <p>POISON.</p> <p>DO NOT DROP.</p> <p>KEEP AWAY FROM FEED OR FOOD PRODUCTS.</p> <p>DO NOT BREATHE FUMES, TOUCH CONTENTS OR SWALLOW.</p> <p>DO NOT LET THE CONTENTS OF THIS PACKAGE COME INTO CONTACT WITH YOUR HANDS, BODY OR CLOTHES.</p> <p>IF IT DOES SO BY ACCIDENT, DEAL WITH IT AT ONCE AS FOLLOWS:—</p> <p>REMOVE ANY CLOTHES AFFECTED AND DO NOT WEAR THEM AGAIN UNTIL THEY HAVE BEEN THOROUGHLY WASHED WITH NAPHTHA AND THEN SOAP AND WATER.</p> <p>WASH THE HAND OR AFFECTED PART OF THE BODY AT ONCE WITH PETROLEUM (LAMP OIL), THEN WITH SOAP AND WATER.</p> <p>(b) “INFLAMMABLE”</p>	By mixed train, no restriction as to quantity, but must be carried in a separate wagon having no metal lining to the floor which must be placed at the rear of the train and separated from the passenger coaches and brake-van by at least one goods wagon.	

1	2	3	4	5	6
			<p>3. The representative who will accompany the train transporting the material must be supplied with gas masks and Materials necessary for dealing with any leakage found or that might occur during the journey.</p> <p>4. All drums must be placed in the wagon bung upwards and provided with chocks to prevent rolling about. They must be placed at least one foot away from the walls of the wagon.</p> <p>In the event of any leaking drums being found during loading the whole of the consignment should be carried in a wagon and the doors left wide open. Such drums should be so placed that leakage is a minimum and the representative in charge should travel in the wagon and deal with the liquid in a manner similar to that laid down in regulation 6 (b).</p> <p>5. (a) When a wagon containing Ethyl Fluid is to be opened, the representative shall be present and must inspect the wagon to see whether there are any leaking drums. If there is no leak the unloading may be carried out. If there are leaks the representative shall obtain gas masks, and either alone or with the help of workmen equipped with gas masks he shall clean up the Fluid spilled on the floor of the wagon or on the drums. The wagon shall then be opened for as much ventilation as possible and after a period which will enable any enclosed vapours to escape, the wagon may be emptied in the usual way (see regulation 6).</p> <p>(b) All men who handle a drum shall be provided with clothing as supplied for operators, and shall wear aprons, and rubber and canvas gloves continuously during such handling.</p> <p>6. (a) Prior to the release for general use of any wagon which has been used for the transport of the Ethyl Fluid a careful inspection of same must be made by the representative. If there is any spill of fluid in the wagon the following procedure is to be followed.</p> <p>(i) Doors are to be opened wide to allow maximum ventilation.</p> <p>(ii) Persons entering the wagon to clean up the spill must be fully attired in clothing as used at Ethyl mixing plant and must wear an approved air type mask or respirator.</p> <p>(iii) The fluid must be washed away with kerosine, or some other suitable light oil solvent, and the area swept clean. Repeat this procedure to extract from the material of the floor any remaining oil-soluble Fluid.</p> <p>(iv) Hose the area in which the spill has occurred freely with water and follow up with soft soap or some other suitable alkaline detergent, working up as much of a lather as possible by means of a broom. Then wash off soap with hose.</p> <p>(b) Ethyl Fluid spilled on containers or at any other point is to be cleaned up at once and by methods similar to the above. At the discretion of the representative in any of these instances alternative methods may be used. It is to be noted that the methods described below involve a chemical reaction whereby heat is evolved, so that due precaution must be taken against fire.</p> <p>(i) The Fluid may be washed away, and at the same time decomposed into a non-volatile form, by the use of kerosene containing 2 per cent Sulphuryl Chloride. The area on which this is used is to be hosed out freely with water afterwards.</p> <p>(ii) A thin paste made by mixing commercial bleaching lime in water may be poured on the spilled Fluid in great excess, after which the area is to be hosed out with water. The paste works more satisfactorily if hydrochloric acid is added just before using. Dry bleaching lime must never be used because of the danger of fire.</p> <p>(c) After the wagon has been inspected and any necessary operation carried out the representative should furnish a certificate to the Railway Authorities that the wagon is free from contamination and fit for general use.</p> <p>7. Empty drums which have been used for the carriage of Ethyl Fluid must not be loaded with food-stuffs or food-stuff-empties and must bear the labels referred to above</p>		

(8) In Serial No. 22—

(a) In column 2, for the entry "Perchloride of iron", the entry "Perchloride of iron, liquid" shall be substituted.

(b) In column 4, for the words "Broad and Narrow Gauge Railways", the words "Broad and Metre Gauge Railways" shall be substituted.

(9) After Serial No. 22, the following shall be inserted, namely:—

1	2	3	4	5	6
22-A	Percchloride of Iron, solid.	(i) Drums (ii) Casks. (iii) Jars not exceeding 7 gallons capacity at Owner's Risk only.	...	No restrictions as to quantity.	By mixed train, no restriction as to quantity but only carried when no goods trains are running. By brake-van of mixed or passenger train to the extent possible. May be carried with other dangerous goods which are allowed to be carried by the brake-van of a mixed or passenger train provided no special regulations to the contrary are specified against such other dangerous goods in this pamphlet. Packages containing dangerous goods enumerated in the Schedule must be placed together and as far as possible from other goods, dangerous or otherwise, in the brake-van. The substance should not be loaded with food-stuffs, food-stuff-empties, explosives, inflammable liquids or other goods likely to be damaged in the event of leakage. If it is necessary to load it in the same wagon with such articles it must be kept quite apart therefrom.

(10) After Serial No. 26, the following shall be inserted, namely:—

1	2	3	4	5	6
26-A	Acid, Sulphuric, diluted, containing not less than 60 per cent by volume of water.	Car-boys at Owner's Risk only. Bottles in cases or hampers. Jars at Owner's Risk only.	...	No restriction as to quantity.	By mixed train, no restriction as to quantity, but only carried when no goods trains are running. By brake-van of mixed or passenger train to the extent possible. May be carried with other dangerous goods which are allowed to be carried by the brake-van of a mixed or passenger train, provided no special regulations to the contrary are specified against such other dangerous goods in this pamphlet. Packages containing dangerous goods enumerated in Schedule II-II must be placed together and as far as possible from other goods, dangerous or otherwise, in the brake-van. The substance should not be loaded with food-stuffs, food-stuff-empties, explosives, inflammable liquids or other goods likely to be damaged in the event of leakage. If it is necessary to load it in the same truck with such articles, it must be kept quite apart therefrom.

(11) In Serial No. 45—

(a) In column 2, the entry "Electrolyte, solid" shall be omitted.

(b) In column 3, for the entry "In drums", the following shall be substituted, namely:—

"(i) Must be well secured in stone-ware jars, or glass-stoppered bottles, standing upright in cases; the inside packing of these cases must be of straw chaff, or saw-dust mixed with coal, wood-ashes, chalk or sand.

(ii) In drums."

(12) In column 6 against Serial No. 52-B, for the words "one cask only", the words "one cask per consignee" shall be substituted.

(13) In column 6 against Serial No. 52-C, for the words "one package only", the words "one package per consignee" shall be substituted.

(14) After Serial No. 52-C, the following shall be inserted, namely:—

1	2	3	4	5	6
52-D	CONCENTRATED ETHYL FLUID. (Solution of Lead Tetra Ethyl in Ethylene Dibromide.)	Must be packed in air-tight drums of very substantial construction fitted with double screw-down bungs (with an air space between) and protected by two steel rails surrounding them.	1. All drums must be painted a light colour and bear the following labels:— (a) CONCENTRATED ETHYL FLUID. POISON. DO NOT DROP. KEEP AWAY FROM FEED OR FOOD PRODUCTS. DO NOT BREATHE FUMES, TOUCH CONTENTS OR SWALLOW. DO NOT LET THE CONTENTS OF THIS PACKAGE COME INTO CONTACT WITH YOUR HANDS, BODY OR CLOTHES. IF IT DOES SO BY ACCIDENT, DEAL WITH IT AT ONCE AS FOLLOWS:— REMOVE ANY CLOTHES AFFECTED, AND DO NOT WEAR THEM AGAIN UNTIL THEY HAVE BEEN THOROUGHLY WASHED WITH NAPHTHA AND THEN SOAP AND WATER.	As the representative has to travel by the same train as the material there is no provision made in the railway regulations for the conveyance by goods train.	By mixed train, no restriction as to quantity, but must be carried in a separate wagon having no metal lining to the floor which must be placed at the rear of the train and separated from the passenger coaches.

1	2	3	4	5	6
			<p>WASH THE HAND OR AFFECTED PART OF THE BODY AT ONCE WITH PETROLEUM (LAMP OIL), THEN WITH SOAP AND WATER.</p> <p>(b) "INFLAMMABLE."</p> <p>2. All handling and transshipment must be supervised by a responsible representative of the consignee (preferably European) who has an adequate technical knowledge of the material being handled.</p> <p>3. The representative who will accompany the train transporting the material must be supplied with gas masks and Materials necessary for dealing with any leakage found or that might occur during the journey.</p> <p>4. All drums must be placed in the wagon bung upwards and provided with chocks to prevent rolling about. They must be placed at least one foot away from the walls of the wagon.</p> <p>In the event of any leaking drums being found during loading the whole of the consignment should be carried in a wagon and the doors left wide open. Such drums should be so placed that leakage is a minimum and the representative in charge should travel in the wagon and deal with the liquid in a manner similar to that laid down in regulation 6 (b).</p> <p>5. (a) When a wagon containing Ethyl Fluid is to be opened, the representative shall be present and must inspect the wagon to see whether there are any leaking drums. If there is no leak the unloading may be carried out.</p> <p>If there are leaks the representative shall obtain gas masks, and either alone or with the help of workmen equipped with gas masks he shall clean up the Fluid spilled on the floor of the wagon or on the drums. The wagon shall then be opened for as much ventilation as possible and after a period which will enable any enclosed vapours to escape, the wagon may be emptied in the usual way (see regulation 6).</p> <p>(b) All men who handled a drum shall be provided with clothing as supplied for operators, and shall wear aprons, and rubber and canvas gloves continuously during such handling.</p> <p>6. (a) Prior to the release for general use of any wagon which has been used for the transport of Ethyl Fluid a careful inspection of same must be made by the representative. If there is any spill of Fluid in the wagon the following "procedure is to be followed.</p> <p>(i) Doors are to be opened wide to allow maximum ventilation.</p> <p>(ii) Persons entering the wagon to clean up the spill must be fully attired in clothing as used at Ethyl mixing plant and must wear an approved air type mask or respirator.</p> <p>(iii) The Fluid must be washed away with kerosene, or some other suitable light oil solvent, and the area swept clean. Repeat this procedure to extract from the material of the floor any remaining oil-soluble Fluid.</p> <p>(iv) Hose the area in which the spill has occurred freely with water and follow up with soft soap or some other suitable alkaline detergent, working up as much of a lather as possible by means of a broom. Then wash off soap with hose.</p> <p>(b) Ethyl Fluid spilled on containers or at any other point is to be cleaned up at once and by methods similar to the above. At the discretion of the representative in any of these instances alternative methods may be used. It is to be noted that the methods described below involve a chemical reaction whereby heat is evolved, so that due precaution must be taken against fire.</p> <p>(i) The Fluid may be washed away, and at the same time decomposed into a non-volatile form, by the use of kerosene containing 2% Sulphuryl Chloride. The area on which this is used is to be hosed out freely with water afterward.</p> <p>(ii) A thick paste made by mixing commercial bleaching lime in water may be poured on the spilled Fluid in great excess, after which the area is to be hosed out with water. The paste works more satisfactory if hydrochloric acid is added just before using. Dry bleaching lime must never be used because of the danger of fire.</p> <p>(c) After the wagon has been inspected and any necessary operation carried out the representative should furnish a certificate to the Railway Authorities that the wagon is free from contamination and fit for general use.</p> <p>7. Empty drums which have been used for the carriage of Ethyl Fluid must not be loaded with food-stuffs or food-stuff-empties and must bear the labels referred to above.</p>	<p>and break- van by at least one goods wagon.</p> <p>Not carried by passen- ger train.</p>	

(15) In columns 5 and 6 against Serial No. 55, for the words "of the substances" the words "other substances" shall be substituted.

(16) In column 6 against Serial No. 56, for the words "*Dissolved Acetylene gas*" the words "*Dissolved Acetylene gas*", shall be substituted.

(17) In Serial No. 62—

(a) In column 3, to regulation (1) the following shall be added, namely:—
"all loose edges of which must be soldered."

(b) In columns 5 and 6 after the words "*Matches, safety*", where they first occur, the words "which are packed in strong, dust-tight wooden cases and which in addition have a metal lining, all loose edges of which are soldered" shall be inserted.